Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/06/2015 11:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123338	-2	2.45	123183	2.39
Blue	F	SSC	125000	123449	-2	2.95	124356	2.67
Blue	E	FITC	17998	17457	-4	2.46	986	8.55
Blue	D	PE	23234	22598	-3	2.03	1022	7.91
Blue	B	PerCP-Cy5-5	69571	68620	-2	2.76	1806	12.75
Blue	A	PE-Cy7	77815	77488	-1	3.79	1009	24.04
Red	C	APC	65936	64553	-3	2.51	3646	7.97
Red	A	APC-Cy7	100669	98961	-2	2.55	1953	7.82
Violet	B	V450	10405	9957	-5	3.92	619	8.46
Violet	A	V500	47250	45549	-4	3.65	2575	6.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19107	10.85	600	21	N/A	N/A	Pass
Blue	F	SSC	61776	1.75	511	22	N/A	N/A	Pass
Blue	E	FITC	106	34.59	527	12	0.0277	143	Pass
Blue	D	PE	211	23.32	520	13	0.1746	103	Pass
Blue	B	PerCP-Cy5-5	219	38.47	606	16	0.0119	3	Pass
Blue	A	PE-Cy7	74	96.49	663	17	0.0161	11	Pass
Red	C	APC	341	25.99	583	5	0.0220	23	Pass
Red	A	APC-Cy7	121	37.74	564	5	0.0049	746	Pass
Violet	B	V450	65	43.99	468	18	0.0447	1997	Pass
Violet	A	V500	168	22.18	508	20	0.0142	240	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.47	-31.25	0.72
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.19
Red	15.69	13.07 - 19.61	N/A	N/A	31.74	32.08	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 13385

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments